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TRANSMITTAL LETTER TO	THE UNITED STATES	ATTORNEY'S DOCKET NUMBER		
DESIGNATED/ELECTED OFFICE (DO/EO/US)		40616-231172 U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		10/580,204		
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED		
PCT/JP2004/017677	22 November 2004	27 November 2003		
TITLE OF INVENTION EL FIBER AND PHOTOCATALYST RE	ACTION VESSEL			
APPLICANT(S) FOR DO/EO/US				
Chihiro Kawai	tes Designated/Flected Office (DO/FO	/US) the following items and other information:		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.				
2. X This is a SECOND or SUBSEQUE	NT submission of items concerning a s	ubmission under 35 U.S.C. 371.		
3. This is an express request to begin include items (5), (6), (9) and (21) i	n national examination procedures (35 lindicated below.	U.S.C. 371(f)). The submission must		
4. The US has been elected (Article 3				
5. A copy of the International Applicat	tion as filed (35 U.S.C. 371 (c)(2))			
	ly if not communicated by the Internation	onal Bureau).		
b. has been communicated by the	e International Bureau.			
	on was filed in the United States Recei			
6. An English language translation of	the International Application as filed (3	35 U.S.C. 371(c)(2)).		
a. is attached hereto.				
b. has been previously submitted				
L	nternational Application under PCT Art			
a. are attached hereto (required o	only if not communicated by the Interna	ntional Bureau).		
b. have been communicated by the				
c. have not been made; however,	, the time limit for making such amendr	ments has NOT expired.		
d. have not been made and will n				
	f the amendments to the claims under f	PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. An oath or declaration of the inven				
An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).				
Items 11 to 20 below concern docu	ment(s) or information included:			
🖳	ment under 37 CFR 1.97 and 1.98.			
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. A preliminary amendment.				
14. An Application Data Sheet under 37 CFR 1.76.				
15. A substitute specification.				
16. A power of attorney and/or change of address letter.				
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.				
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).				
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).				

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/580,204 INTERNATIONAL APPLICATION NO. PCT/JP2004/017677		ATTORNEY'S DOCKET NUMBER 40616-231172					
20. X Other items or information: Form PCT/IB/338 Form PCT/IB/373 Form PCT/ISA/237							
The follo	owing fees hav	e been submitte	ed			CALCULATION	S PTO USEONLY
l —	-))		\$300	\$	O TTO GOLONE!
22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$		
23. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500			\$				
	TOTAL OF 21, 22	2 and 23 =	•			\$ 0.0	00
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	Extra Sheets		additional 50 or fraction up to a whole number)		RATE		
- 100 =	/50 =				x \$250.00	\$	
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				or declaration	\$		
CLAIMS	NUI	MBER FILED	NUMBER EXTRA		RATE		
Total clain	Total claims - 20 = 0 x 50.00		50.00	0.00			
Independent of		- 3 =	0	x	200.00	0.0	0
MULTIPLE DEPI	ENDENT CLAIM(S	(if applicable)		+		·	
TOTAL OF ABOVE CALCULATIONS =			E CALCULATIONS =	\$ 0.0	00		
Applicant	claims small entit	y status. See 37 C	FR 1.27. Fees above ar	re rec	luced by 1/2.		
					SUBTOTAL =	\$ 0.0	0
	\$130.00 for furnisate (37 CFR 1.492		anslation later than 30 m	onth	s from the earliest	\$	
	-			тот	AL NATIONAL FEE =	\$	0.00
		gnment (37 CFR 1 CFR 3.28, 3.31). \$4	.21(h)). The assignment	t mus	t be accompanied	\$	
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			TO	TAL	FEES ENCLOSED =	\$	0.00
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NOTE: Where an appropriate time limit under 37 CFR 1. filed an granted to restore the International Application	495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be
med an granted to restore the international Application	, •
SEND ALL CORRESPONDENCE TO:	SIGNATURE
	Michael A. Sartori, Ph.D.
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TRANSMITTAL FORM		Application Number	10/580,204		
		Filing Date	May 23, 2006		
		First Named Inventor	Chihiro Kawai		
		Art Unit	Not Yet Assigned		
(to be used for all correspondence afte	er initial filing)	Examiner Name	Not Yet Assigned		
Total Number of Pages in This Submission		Attorney Docket Number	40616-231172		
El	NCLOSURES	(Check all that apply	γ)		
Fee Transmittal Form	Drawing(s)		After Allowance Communication to TC		
Fee Attached	Licensing-rel	ated Papers	Appeal Communication to Board of Appeals and Interferences		
Transmittal Letter to the United States Designated/Elected Office (Second Submission)	Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After Final	Petition to Co		Proprietary Information		
Affidavits/declaration(s)		mey, Revocation prespondence Address	Status Letter		
Extension of Time Request Terminal Discl		daimer	X Other Enclosures (please Identify below):		
Express Abandonment Request Request for		Refund	Form PCT/IB/338 Form PCT/IB/373		
Information Disclosure Statement CD, Numb		of CD(s)	Form PCT/ISA/237		
Certified Copy of Priority Document(s) Landsc		cape Table on CD			
Reply to Missing Parts/ Incomplete Application	Remarks				
Reply to Missing Parts under					
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm Name VENABLE LLP					
Signature Milhau Sold					
Printed name Michael A. Sartori, Ph.D.					
Date Octobe 122	2006-	Reg. No.	41,289		

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d. Fees are to be charged to a credit card. WARNIN should not be included on this form. Provide of	NG: Information on this form ma credit card information and auth	y become public orization on PTC	c. Credit card information D-2038
NOTE: Where an appropriate time limit under 37 CFR 1 filed an granted to restore the International Application	.495 has not been met, a peti n to pending status.	tion to revive (
			Odoben 12,20%-
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	NAME	Michael A. S	Sartori, Ph.D.
CUSTOMER NUMBER: 26694		44	
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